While we demonstrate our commitment to service, the primary function of Virginia Tech is to prepare all Hokies to serve at the highest level of their potential, raising their aspirations and lowering barriers as they develop the skills and attain the knowledge necessary to make a positive impact on the human condition.

A commitment to serve acts as a strong filter on who joins our community and how they make decisions about the trajectories of their lives and their careers. You might think that many universities could claim the same, but this commitment is truly a transcendent characteristic of Virginia Tech and its people. It impacts our research portfolio, the university’s connection to our alumni, and our ability to attract talented students, faculty, and staff.

Of course, Virginia Tech must continue to strive to be better still. I ask that together we make commitments to fostering inducive excellence; to enhancing the value of a Virginia Tech education; to continuing the drive to establish the university among the nation’s leading research universities; to competing nationally and globally to attract and retain talent; to translating our discoveries into impactful products, services, and policies; and to leveraging Virginia Tech’s presences, from the main campus in Blacksburg to a growing footprint in the National Capital Region, to Extension offices and facilities overseas.

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New dean of the College of Liberal Arts and Human Sciences named

Elizabeth Spiller, associate dean of the College of Arts and Sciences at Florida State University, has been named dean of Virginia Tech’s College of Liberal Arts and Human Sciences. She began her new position on July 1.

A highly respected scholar and strong academic leader, Spiller possesses “a unique disciplinary background which she leverages in a very positive way in service of vision, innovation, and collaboration,” said Senior Vice President and Provost Mark McNamee in making the announcement.

Spiller, who has published widely on the history of science in the Renaissance, has been recognized with major positions on the history of science. She began her new position on July 1.

Building scientific synergy

In a new $53.7 million building at the intersection of Duck Pond Drive and Washington Street, researchers and students from the College of Agriculture and Life Sciences’ various departments are working together on critical issues in agriculture, food security, human health, and climate change.

The Human and Agricultural Biosciences Building—with the first of four positions for the university’s Biosciences Precinct—encourages synergistic relationships that allow the college to expand its scientific reach to advance research, academic, and Extension efforts.

"The research activities and discoveries made in the new building will become the cornerstone of programs that will directly benefit the citizens of the commonwealth and the agriculture, food, and health industries," said Alan Grant, dean of the college. “The work that is happening in the new building will bring the promise of a healthy planet, healthy food, and healthy people.”

Meet some of the scientists working in the new building in a video at www.vtmag.vt.edu.

Hokies shine at Technology Council awards banquet

Every one of the award winners announced at the Roanoke-Blacksburg Technology Council’s (RBTC) 15th annual TechNite banquet on May 9 has ties to Virginia Tech.

The nonprofit association of businesses and organizations is a driving force for the growth and success of the region’s tech sector, as are these individuals with links to Tech:

Rising Star Award: Software engineering firm Mindsense, founded by Alexander Obenauner (computer science ’12) and Josh Milas (biological sciences ’11), launched Mail Pilot, which in a matter of hours was ranked as the No. 1 paid app in the Mac App Store.

Innovator Award: Bob Summers (computer engineering ’02, M.A. curriculum and instruction ’03), a teacher in Salem, is co-founder and CEO of Koofers, an online information. The company, which Rihani founded with several Virginia Tech alumni, has grown its user base from 10,000 students to more than 1 million students nationwide.

Entrepreneur Award: Michael Rihani (business information technology ’08) is co-founder and CEO of Koofers, an online platform that allows college students to share course information. The company, which Rihani founded with several Tech alumni, has grown its user base from 10,000 students in Blacksburg to more than 1 million students nationwide.

Regional Leader Award: John “Jack” Lesko (M.S. materials science and engineering ’91, Ph.D. engineering mechanics ’95) is the associate dean for research and graduate studies in the College of Engineering. Lesko serves as a co-principal investigator for DC Innovation Corps, a training program for entrepreneurs.

People’s Choice Award: The three founders of VirtualU—former students Caroline Pugh, Louis Cirillo, and Nick Gianias (marketing ’12)—launched VFit, an integrated system that creates 3-D models of users’ bodies for quantifying and tracking fitness goals over time.

Educator Award: Sarah Gerrol (secondary education technology ‘02, M.A. curriculum and instruction ’03), a teacher in Salem, is internationally recognized for his research on intestinal disorders and his innovative work developing diagnostic tests for these diseases. The former J.B. Stroobants Professor of Biotechnology at Virginia Tech played a leading role in the design and construction of two of Tech’s premier life-science facilities: the Fralin Biotechnology Center, now the Fralin Life Science Institute, and the Virginia Bioinformatics Institute. Wilkins, a founding member of the board of Virginia Tech Corporate Research Center, has made significant contributions to society as a scientist, educator, entrepreneur, and philanthropist.

Educator Award: Brian Dye, a teacher in Radford, Virginia, is implementing an Android-based tablet system to deliver curricular content. Dye was formerly the technology coordinator for the Training and Technical Assistance Center, a Virginia Department of Education office housed within Virginia Tech’s College of Liberal Arts and Human Sciences.

RUBY Award: Through RBTC, VT KnowledgeWorks, Virginia Tech Intellectual Properties, and more, Ken Ferris (electrical engineering ’70) has long been active in assisting the region’s technology companies. He was a part of three tech startups, each of which was sold to a publicly traded company.

Technology Hall of Fame inductee: Ray Pettel is the former director of the Transportation Policy Group at the Virginia Tech Transportation Institute and former commissioner of the Virginia Department of Transportation.

Technology Hall of Fame inductee: TechLab cofounder Tracy Wilkins is internationally recognized for his research on intestinal diseases and disorders and his innovative work developing diagnostic tests for these diseases. The former J.B. Stroobants Professor of Biotechnology at Virginia Tech played a leading role in the design and construction of two of Tech’s premier life-science facilities: the Fralin Biotechnology Center, now the Fralin Life Science Institute, and the Virginia Bioinformatics Institute. Wilkins, a founding member of the board of Virginia Tech Corporate Research Center, has made significant contributions to society as a scientist, educator, entrepreneur, and philanthropist.
The Bugle honored for third consecutive year

The 2013 edition of The Bugle, Virginia Tech’s yearbook since 1895, earned a Silver Crown from the Columbia Scholastic Press Association, an international student press association formed in 1925 to unite student journalists through conferences, idea exchanges, and awards programs.

Announced at a ceremony in May, the honor marks the third consecutive year that The Bugle has received a Crown award: The yearbook won a Gold Crown in 2012, and a Silver Crown in 2011. Yearbooks in the competition are judged on writing, editing, design, content, art, and photography.

Caroline Doss, of Salem, Virginia, a senior majoring in visual communication design in the College of Architecture and Urban Studies, has served as the yearbook’s editor-in-chief for four years. During her tenure, The Bugle has earned a place in the national ranks every year, making Doss the publication’s most-decorated editor.

Not only has Doss created a compelling yearbook year after year, she has essentially run a small business. In addition to creating content, she coordinated portraits, managed a staff of nine, worked with vendors to create the book, and led a marketing and sales push to get the yearbook to students.

One of just seven yearbooks nationally to earn a 2013 Gold or Silver Crown award, The Bugle is a student-run division of the Educational Media Company at Virginia Tech Inc., which manages the university’s student media outlets on campus, including the Collegiate Times and WUVT 90.7 FM.

To order copies of The Bugle, go to www.bugleonline.com.

Hankering to browse those old yearbooks? See the digitized versions at http://spec.lib.vt.edu/archives/bugle/.

Undergraduate man and woman of the year

The university’s most prestigious nonacademic undergraduate honor, the Virginia Tech Undergraduate Man and Woman of the Year awards recognize two graduating students who achieved excellence in academics, leadership, and service.

Receiving this year’s awards are Timothy Duffy, of Andover, Massachusetts, a senior double majoring in finance and accounting in the Pamplin College of Business, and Cassidy Dawn Grubbs, of Powhatan, Virginia, a senior majoring in English in the College of Liberal Arts and Human Sciences.

As a result, woody debris management is important in conservation efforts, but baseline measurements of relatively undisturbed, mature forests have yet to be undertaken in some parts of the world. Now, new research from old-growth forests in Iran is helping to establish the significance of dead wood.

In the University of Tehran’s Kheyrud Experimental Forest, a team of researchers recorded diameter, height, and species of living trees; measured coarse woody debris, including snags, logs, and stumps; and noted the degree of decay. The study determined that “almost 40 percent of the total volume of dead wood was fine woody debris, a size class that has received little attention,” Copenheaver said, but which is important to predicting fire behavior.

The team’s research appears in the July 2013 issue of Natural Areas Journal.
Pursuing historic status for a campus landmark
by MASON ADAMS

A centerpiece of Virginia Tech history is on track for state and national recognition.

Lane Hall housed about 130 students until 1967, when it was converted to academic offices. Cadets still honor Lane Hall by standing retreat while the U.S. flag is lowered each evening in front of the building.

“Essentially, Lane Hall remains the heart and center and focal point of the university’s corps tradition,” said Hugh Latimer, campus planning architect.

Now, Virginia Tech is seeking inclusion of Lane Hall on the National Registry of Historic Sites and Virginia Landmarks Register. The move comes as part of the broader redesign of the Upper Quad, which also includes replacing Brodie and Rasche halls with state-of-the-art residence halls.

Once Lane Hall is listed on the state and national registries, it will be used only for low-impact administrative work to ensure that the building is preserved.

“Lane Hall is of unquestionable importance, reflecting the university’s earliest history and the corps’ proud traditions. So, too, are the program needs of the modern corps critically important, and the case for new facilities is compelling,” said Kathleen Kilpatrick, director of Virginia’s Department of Historic Resources, during a 2013 tour of the Upper Quad. “Saving Lane and recognizing it on the Virginia State Landmarks Register and the National Register of Historic Places strikes a good balance and demonstrates Virginia Tech’s commitment to honoring its history and buildings of enduring value while moving forward,” she said.

Lane Hall, which now houses administrative offices for the College of Liberal Arts and Human Sciences, will be returned to the corps as part of securing historic status.

Lane Hall’s structure and architecture lend it added importance from a historical standpoint. Latimer said Lane Hall is a “rather odd building” formed from five townhouses that weren’t originally connected. The silo structure allowed upperclassmen to isolate and haze first-year students, or “rats,” and supervise them by running along the roofs of the canopies between each section.

Consultants spent recent months conducting a physical survey of Lane Hall. The survey involved photography, examination of floor plans, and a written evaluation of the building’s systems and infrastructure.

Virginia Tech planned to submit the documentation in June for both the state and the federal applications for historic status. While it’s unclear when those applications may be processed, the listings will serve as a foundation for the future of a building that was important to Virginia Tech’s development.

“For Lane Hall, [historic status conveys] the recognition it deserves, and it will be positive publicity and recognition,” Latimer said.
Black alumni from ’60s and ’70s recount their experiences

by MASON ADAMS

The Civil Rights Act of 1964 not only banned discrimination based on race, color, religion, sex, or national origin, but helped open the doors of Virginia Tech to a more diverse student population.

Commemorating the landmark legislation’s 50th anniversary as part of Virginia Tech’s Black Alumni Reunion weekend in March, a webinar broadcast from the North End Center featured four of Virginia Tech’s first black students, who spoke about their experiences integrating the university in the late ’60s and early ’70s. Their stories were by turn frustrating, humorous, emotional, and ultimately inspiring.

Linda (Edmonds) Turner (clothing, textiles, and related arts ’70, M.B.A. ’76, Ph.D. general business ’79), James Watkins (biology ’71), and LaVerne “Freddie” (Haitson) Higgins were among the first black students to attend Tech, while Calvin Jamison (health and physical education ’77, M.A.Ed. student personnel services ’81, C.A.G.D. ’86, Ed.D. ’88) attended during a time when the university was actively working to increase student diversity.

The first black student to attend Tech was electrical engineering major Irving Peddrew III in 1953. The first black graduate was Charlie L. Yates (mechanical engineering ’58), and the first black female graduate was Linda Adams Hoyle (statistics ’68). Watkins, Turner, and Higgins all arrived at Tech in the late ’60s, when there were still only a few dozen black students on campus—and that included exchange students from Africa.

Turner and Higgins also carried the distinction of being among the first women students at Tech. Higgins recalled that when she arrived there were about 350 female students, 42 black students (including those from Africa), and only six black female students.

“It was really difficult being not just black by race but female,” Higgins said. “The institution was not prepared to deal with us.”

As they were often the only black student in a given class, they frequently drew unashamed stares from their classmates. Watkins remembered sitting at a cafeteria table with white students, only to watch them get up and move. His freshman year, the only two black students paired with white roommates in the dorms saw the white students move to different rooms.

Athletic events added to the challenges. Games at Cassell Coliseum were accompanied by displays of Confederate flags and the singing of “Dixie,” which at the time served as an unofficial fight song. Turner described a pep rally during which students marching around campus set a representation of the letters “VT” ablaze. The “V” fell off, leaving a fiery “T” that struck Turner as looking like a cross. Even though unintended, the image triggered a visceral reaction in Turner. “I didn’t go to another pep rally,” she said. “People didn’t understand why ‘Dixie’ and those things could be upsetting.”

Another flashpoint was the student response to the assassination of Martin Luther King Jr. in the spring of 1968. Watkins said he was amazed by how many Tech students attended a memorial in support of the fallen civil rights leader—the Drillfield was packed—but that feeling turned to shock when a small scuffle ensued between dueling groups of students over whether to position the American flag at half- or full-staff.

Watkins said those situations resulted in his black dormmates making a pact their freshman year to transfer out of Tech—but by graduation, most had stayed and didn’t want to leave. How did they make it through? By finding mentors, support groups, and each other.

For Watkins, the formation of Tech’s first black fraternity, Groove Phi Groove, made all the difference. The group provided him with a community of support and an outlet for social gatherings that included black students at nearby Radford University.

“You have this bond with people,” said Watkins, who became the first black president of the Virginia Dental Board in 1992 and is a general practice dentist in Hampton, Virginia. “You have something that makes it feel like you were wanted, and that was a very positive experience having the relationships that Groove Phi Groove provided.”

Turner, meanwhile, developed relationships with mentors. Jean Harper, then-dean of Virginia. “You have something that makes you feel like you’re wanted,” Harper said.

When she arrived at Tech to obtain her Ph.D. Turner went on to complete a post-doctoral fellowship at Harvard University and has served as vice president and chief marketing officer for Dean College, and president of the Urban College of Boston and Roxbury Community College, all in Massachusetts.

Higgins, who was Turner’s roommate during freshman year, said she found support particularly through Tech United Ministries. There, she met like-minded activists, including her first husband. She now works as associate dean of the business college at Eastern Michigan University.

Higgins didn’t shy away from making her voice heard during those politically turbulent years of the late ’60s. With a white student, she co-wrote a feature, “Back Talk,” for the campus newspaper. In the column, the two debated issues such as the Vietnam War, labor unions, and mixed-race dating. The events of 1968, however, exhausted her. She soon left Tech and moved to Minnesota.

“I was really tired of fighting that battle in the South,” Higgins said. “I felt like I had done my part and needed to relax to keep my sanity.”

Jamison said that when he arrived after the first wave of black students, Tech was home to a relatively small black population. In one class of 350 students, Jamison was the only African American. When he missed a class because of a death in the family, the professor noticed and singled him out. Jamison used the incident as an opportunity.

“From that day on, when I went to a class, I went to the front row and met the teacher,” Jamison said. “I encouraged all the students [later] worked with to do the same thing. This approach was very beneficial to them in enhancing their educational experience. … My approach is simple: ‘It is an opportunity. Make the best of it.’”

Jamison joined Groove Phi Groove as an undergraduate, and later became president of the Human Relations Council (now the Black Student Alliance). When he graduated, he was hired as assistant director of admissions and was instrumental in increasing black student enrollment. In 1986, he became the first black assistant to the Virginia Tech president before going on to become city manager of Richmond, Virginia.

“[Former Virginia Tech] President William LaVerty made a commitment to address our lack of diversity,” said Jamison, now the vice president for administration at the University of Texas at Dallas. “Prior to our aggressive efforts, there was very little to do in Blacksburg, [but] going from three to 14 black student organizations changed the culture on campus.”

Today, the university continues to strive for diversification. In 1975, 275 students, or 1.4 percent of the student body, identified as black or African American. By the 2013-14 academic year, those figures had risen to 1,197 students, or 3.8 percent.
Amid their pursuit of master’s degrees in food science and technology, Alexandra Walsh (left) and Kristen Leitch ’12 paused for some macaroni and cheese… to mixed results. Both are conducting research in the area of food and emotions.

Feeling Food

The appreciation of food is a universal trait.

Food’s role in social gatherings, bonding experiences, and survival guarantees that what we eat occupies a central place in the human experience. Understanding how we react, positively or negatively, to different kinds of food is key to fields from marketing to public safety.

Virginia Tech researchers are using tools from a multitude of disciplines to better understand how and why people react emotionally to food. Susan Duncan, a professor in the Department of Food Science and Technology in the College of Agriculture and Life Sciences, conducts studies that use both physiology and interviews to examine volunteers’ responses to food scenarios.

Duncan has a variety of tools at her disposal that, though innovative, are still crude for interpreting the complex cangle of elements that factor into emotions and food. Past experiences, personal taste, and mood at the moment drastically affect the way we feel about food.

Audio bites: Meet Duncan in her lab in a video on the new Human and Agricultural Biosciences Building I at www.vtmag.vt.edu.
Elizabeth Struthers Malbon, professor of religion and culture in the College of Liberal Arts and Human Sciences, received Virginia Tech's 2014 William E. Wine Award and 2014 Alumni Award for Excellence in Research. Internationally recognized for her literary studies of the Gospel of Mark, Malbon teaches courses on early Christian literature, especially the New Testament, Jesus and the Gospels, and Paul and his interpreters.

How do you study the Gospel of Mark? Malbon teaches for her literary studies of historical and literary complexity (the strange) to the readings students bring to the texts (the familiar).

Can you explain your comparison of the study of the Gospel of Mark to the study of folklore? The Gospel of Mark shares several important realities with folklore. First, the Gospel came to life within a world of listeners, not a world of readers; it was written to be read aloud, or actually performed, for an audience that was largely illiterate. Second, the Gospel and folklore, both existed for the folk, for the non-elites of society. Third, the Gospel, like folktales, is a narrative, a story, with characters and settings and actions; paying attention to its unfolding as a story reveals its significance best. Fourth, like folklore, the Gospel of Mark was adapted to keep traditions alive and relevant to its community. Thus, there is the fifth similarity: The Gospel, like folklore, gives us two views at the same time: a view of the traditions it passes on from the past and a view of the interests and concerns of the author and audience who are passing those traditions on to the next generation.

What are some of your favorite fish stories? Fishing is a holistic experience. A memorable fishing trip provides, perhaps, a chance to test a favorite hunch about what makes fish feed (trout), the experience of quiet and contemplative nature (beauty), and appreciation of friends or family in a place protected from excessive pollution (goodness). The simple thought that my scholarship plays some role in that experience inspires me every day. My favorite stories are about my students becoming effective advocates for application of good science to protect or restore fish and fishing.

Why do you study fish? Fish have fascinated me since I was a kid. I am naturally curious, and fish gave me further motivation to explore life in the underwater world. Fish are at the nexus of human uses of our aquatic ecosystems for food, water, energy, industry, and climate stabilization. And if fish are at the nexus, so am I.

Why do you teach first-year students? I believe that the first four to six weeks on campus are critical for students as they adjust to college and campus life. As an instructor of first-year students, I place more attention on discovering each student’s dreams, aspirations, and challenges and helping facilitate their initial transition. My selfish motive is to witness their accomplishments years later and believe that I had a small part in their personal success.

What do students gain by learning to draw, photograph, and write about fish? Fishing is a holistic experience. A memorable fishing trip provides, perhaps, a chance to test a favorite hunch about what makes fish feed (trout), the experience of quiet and contemplative nature (beauty), and appreciation of friends or family in a place protected from excessive pollution (goodness). The simple thought that my scholarship plays some role in that experience inspires me every day. My favorite stories are about my students becoming effective advocates for application of good science to protect or restore fish and fishing.

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Elizabeth Struthers Malbon, professor in the Department of Religion and Culture, holds a glass ornament from Bethlehem, a souvenir from her travels.

Donald Orth, a professor in the Department of Fish and Wildlife Conservation, holds a model of a mahi mahi.

Donald Orth, the Thomas H. Jones Professor in the Department of Fish and Wildlife Conservation in the College of Natural Resources and Environment, has received a string of awards in recent months: the William E. Wine Award, which admires him into the university’s Academy of Teaching Excellence; the Diggs Teaching Scholars Award from Tech’s Center for Instructional Development and Educational Research (CIDER); the university’s Certificate of Teaching Excellence, awarded to a faculty member in each college; CIDER’s Teacher of the Week Award; and Tech’s Exemplary Program Award for his first-year experience class.

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First Class
Virginia Tech Carilion’s first 40 doctors graduate

Forty medical students made history in May as the first graduating class at the Virginia Tech Carilion School of Medicine (VTC). Based on their experiences over four years at the school in Roanoke, they’ll make talented doctors, too. Instead of long lectures in voluminous lecture halls, the school uses small class sizes and “problem-based” learning to produce graduates who can quickly adapt to new technology and ideas at the forefront of modern medicine.

“Succeeding at a new school demands bright, entrepreneurial students—confident self-starters,” said Dr. Cynda Johnson, founding dean of the school, at the graduation ceremony. “We needed their student perspective and active participation to develop and refine the cutting-edge curriculum that would make the Virginia Tech Carilion School of Medicine a premier medical school for the 21st century.”

The ceremony marked a major milestone in the life of the school, opened in 2010. The school’s approach, melding the basic science, life science, bioinformatics, and engineering strengths of Virginia Tech with the medical practice and medical education experience of Carilion Clinic, has garnered attention: Demand for the 42 student spots in each class far outstripped supply as early as the first year. In 2010, the school’s first-year applicants numbered 1,650; of those, 3,553 applied to the first-year class.

Additionally, the school, complemented by the Virginia Tech Carilion Research Institute, Carilion Clinic, has garnered attention: Demand for the 42 student spots in each class far outstripped supply as early as the first year. In 2010, the school’s first-year applicants numbered 1,650; of those, 3,553 applied to the first-year class.

In the Match Day ceremony, members of the inaugural class learned where they would spend the next phase of their training. Vile was one of six class members elected to the Allopathic Medicines National Honor Society, which carries a motto from its founder, William Root, that is similar to Virginia Tech’s: “Be Worthy to Serve the Suffering.”

Brown, who was also elected to the honor society, cast his role as a doctor as one of service, not just to individuals but to society as a whole.

“I want to be there to help people to reach their full potential, whether that’s being there for a grandchild’s birthday or to paint the next masterpiece,” Brown said. “We’re here really to make a better community in service of performing our job.”

That ethos was picked up by the entire class, Johnson said. For instance, students staffed Roanoke’s Bradley Free Clinic every Thursday night. Faculty members served as the licensed attending physicians but were second-, third-, and fourth-year students all participated, with uppersclassmen helping to mentor the newer ones.

Now, with the inaugural class on its way, the medical school continues to evolve and prepare the next generations of physicians.

“Service is certainly a big part of medicine, and it’s part of why I decided to go into medicine,” said Vile, who plans to pursue a career in oncology after his internal medicine residency at Wake Forest University. “I can think about several patients where I wanted to be there to help to the extent possible. I was driven to go above and beyond to meet the needs of these patients.”

Vile was one of six class members elected to the Allopathic Medicines National Honor Society, which carries a motto from its founder, William Root, that is similar to Virginia Tech’s. “Be Worthy to Serve the Suffering.”

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That ethos was picked up by the entire class, Johnson said. For instance, students staffed Roanoke’s Bradley Free Clinic every Thursday night. Faculty members served as the licensed attending physicians but were second-, third-, and fourth-year students all participated, with uppersclassmen helping to mentor the newer ones.

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It truly was a race to the altar.

Patricia “Pat” (Porter) Newbern (foods and nutrition ’60, M.S. ’61) and Julian E. “J.E.” Newbern (aerospace engineering ’54) decided they wanted to be the first couple married in the just-finished War Memorial Chapel, so they scheduled a wedding for June 5, 1960, seven days after the facility was dedicated. But fate intervened. “Unfortunately, J.E.’s father died and was buried that day,” said Pat.

Meanwhile, other couples had scheduled the chapel for the afternoon of June 11 and on June 12. “As soon as the funeral was over, we called and were told that we could be first if we got married at 11 a.m. on Saturday, June 11. So, we jumped at the opportunity,” Pat said. The Chesapeake, Virginia, residents have been together ever since.

The Newbern wedding, which was attended by 11 guests, ended up beating out two brides who were Pat Newbern’s classmates: Sandy Collier (clothing textiles and related arts ’60), Pat’s roommate who, along with hubby-to-be James “Jim” Jones (electrical engineering ’59) thought they had the chapel first on June 12; and Ann Haugh (general home economics ’60), who married Richard “Dick” Lehmann (animal science ’58, M.S. ’60) on the afternoon of June 11.
Pranks (1872–1925)
Boredom was a constant during the early days of Virginia Agricultural and Mechanical College (VAMC), and to alleviate the tedium, cadets turned to a standby from ancient times—pranks. No one recorded the first prank, but one of the earliest was the magical transformation of President Charles L.C. Minor’s red cow into a white one. Other early standards included sending the Canadian Pacific Railway.

Student (1872)
Sixteen-year-old William Addison “Add” Caldwell and his older brother, Milton M. “Mac” Caldwell, walked as many as 28 miles across two mountains from their home near Sinking Creek in Craig County, Virginia, to Blacksburg, and Add became the first student to enroll in VAMC when the new school opened its doors on Oct. 1, 1872.

Curriculum (1872)
The first-year curriculum specified instruction in commercial arithmetic, bookkeeping, algebra (through equations of the first degree), English, geography and map drawing, descriptive astronomy, gymnastics and free-hand drawing, physiology, hygiene, habits and manners, French or German, farm or shop practice, military tactics, and lectures on the sociological value of the agricultural and the mechanical arts.

Library books (1878)
During its early days, the Virginia Agricultural and Mechanical College “library,” which was nothing more than a space in a small chamber that doubled as an office, relied on the largesse of others for its books. The result in that first school year was a madly collection of state agency documents and reports, 501 volumes in all, including 80 books from the Presbyterian Board of Richmond and 50 prayer books or hymnals from the City Mission Society of Richmond. The library was so useless for academic pursuits, said Lyle Kinnear, author of a book on Tech history entitled “The First 100 Years,” that “…most of the publications henceforth gathered Blacksburg dust instead of that of their point of origin.”

The first record of VAMC spending money for acquisitions wasn’t until 1878, when the school shelled out $58.10 (the average annual library budget now is about $8.8 million), according to “History of the Virginia Tech Library, 1872-1928,” by Ralph Minthorne Brown. And it wasn’t until 1903 that the university established what would be considered a true library and hired its first professional librarian, Mary G. Lacy. The first record of a major collection being donated to the library was in 1927 when Professor W.B. Alwood (above), a pioneer in Virginia horticulture and entomology who was considered the savior of the Virginia fruit industry, gave 4,000 books, pamphlets, and original manuscripts.

Alwood, in fact, was involved in a number of other firsts: He was the first professor and head of the Department of Horticulture, Mycology, and Entomology, and he documented the collection being donated to the library was in 1927 when Professor W.B. Alwood (above), a pioneer in Virginia horticulture and entomology who was considered the savior of the Virginia fruit industry, gave 4,000 books, pamphlets, and original manuscripts.

Graduate study (1891)
President John M. McBryde introduced graduate study in 1891. The first master of science degree went to McBryde’s own son, Charles N. McBryde, in 1892. Later, Charles McBryde was one of the discoverers of a serum for the prevention of hog cholera that saved untold millions of dollars. John McBryde later was awarded the first honorary degree, a doctor of science, given in 1907.

Baseball game (1877)
The first known baseball game against an off-campus opponent was in 1877, when VAMC beat Roanoke College 53-13. Organized baseball was not played regularly, however, until 1892.

Regimental commander (1895)
Woodson P. Waddy

Football team (1892)
The first football game at VAMC was really a rugby match played behind Lane Hall in fall 1891. Two teams were organized in September 1892, and Professor W.E. Anderson was the first captain, while Dean Elisha A. Smyth Jr. served as the first coach and manager. VAMC beat St. Albans Lutheran Boys School, 14-10, in its first official game on Oct. 21, 1892.
1900s

Hall of Fame (1899–1905)
C. Hunter Carpenter, who followed an agricultural engineering degree in 1902 with graduate studies, was the first Virginia Tech player elected to the College Football Hall of Fame. In the days when a student could play for more than four years, he played fullback on the 1899 and 1900 teams and halfback on the 1901, 1902, 1903, and 1905 teams. In 1904, he played for the University of North Carolina.

Women’s basketball team (1923)
One of the first five women to enroll at Virginia Tech—Ruth Louise Terrett—formed a basketball team in 1923. The players called their team the “Sexettes” and later the “Turkey Hens.” Writing in the 1929 Tin Horn (this yearbook the women put out in 1925, 1929, 1930, and 1931 because they weren’t allowed to live and eat off campus) heroes speculated about how the women developed their athletic prowess: “N funny thing, seemed like the boys always needed fresh air as we came by. Up went the windows and down came the water as they seemed to be in their chief indoor sport. Along with the water came squeaky voices yelling and saying silly things to us. We became exceedingly alert to comment. … I got to get me one of them things for myself if I bust,” and he did—for lifesaving actions on the Mexican Border in 1914, the only time a soldier was ever awarded the medal for actions of a peacekeeping nature.

Songt in Miles Stadium (1926)
It’s easy to find out the date of the first football game in a Hokie stadium or under a particular coach, but what about first touchdowns? In the first game in Miles Stadium on Sept. 25, 1926, sportswriters paid a lot of attention to the “educated toe” of James Bushell “Scooty” McArthur for kicking extra points and two field goals, and they noted that the Virginia Tech “Pony Express” backfield ran all over Roanoke College, but nowhere do the accounts of the 47-0 romp tell who scored the first touchdown in the stadium. Noted one scribe, “Peake, Tomko, McEver, and McArthur repeatedly brought the crowd to its feet by their long gains and brilliant passes.” We do know that Frank Woodfin Peake scored three TDs and Herbert Macauley McEver scored once. And then there was that educated toe.

Class ring (1912)
Fred K. Prosser designed the first Virginia Tech ring for the Class of 1911, one year after they had graduated. The ring included two eagles (which have been on the class ring design ever since) and a flat stone. It cost $6 to $8. Like many alumni to follow, Prosser lost his own ring.

Season tickets (1908)
The first football season tickets admitted holders to all home games and some in Roanoke.

Woman to receive degree (1923)
Mary Brumfield was the first woman to receive a degree.

Women students (1921)
Mary E. Brumfield, Billie Kent Kabrich, Lucy Lee Lancaster, Carrie T. Sibold, and Ruth Louise Terrett (along with another seven part-time coeds) were the first women to enroll at Virginia Agricultural and Mechanical College and Polytechnic Institute.

Touchdown in Miles Stadium (1926)
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Ph.D. (1942)
The first Ph.D. at Virginia Tech was awarded to Nathan Sugarman in chemistry.

Black student (1953)
Not only was electrical engineering major Irving L. Peddrew III the first black student to enroll at Virginia Tech (in 1953), he was also the first black undergraduate student to be admitted to a historically white public school in the former Confederacy. The only black student on campus his freshman year, he was required to participate in the Corps of Cadets but had to live and eat off campus. Disillusioned by his experiences, Peddrew left at the end of his junior year and did not return.

Woman to receive Ph.D. (1953)
Betty Delores Stough became the first woman to earn a Ph.D. The degree was in parasitology.

Medal of Honor (1896)
Antoine A.M. Gaujot, Class of 1894, was the first of seven Hokies to receive the Medal of Honor. During the Battle of San Marcus in the Philippines in 1896, he tried under heavy enemy rifle fire to locate a ford in order to help his unit cross a swollen river to attack. Unable to accomplish this, he swam with a companion to the enemy side, where he secured an enemy canoe and returned it to the friendly side of the river. Interestingly, his brother, Julien E. Gaujot (above, receiving the medal from President William Taft), Class of 1894, became the second former VPI cadet to receive the award. Julien had been heard to comment, “… I got to get me one of them things for myself if I bust,” and he did—“for lifesaving actions on the Mexican Border in 1914, the only time a soldier was ever awarded the medal for actions of a peacekeeping nature.

Reactions to the development differed. The 1922 school yearbook, The Bugle, put it this way: “At VPI she has caused a wretched condition.” The newspaper The Virginia Tech greeted the women more warmly: “This year, for the first time in the history of the school, women are admitted to all courses of instruction, and the campus is now graced by the presence of ten [sic] co-eds.” But after that, the newspaper basically ignored them.

Medal of Honor, Virginia native (1918)
Earle D. Gregory (electrical engineering 23), known as the “ Sgt. York of Virginia,” was the first native Virginian to receive the Medal of Honor. At Bois de Consenvoye, France, on Oct. 18, 1918, he single-handedly captured 22 German soldiers and two machine guns, saving countless American lives. The university’s Gregory Guard precision drill team is named in his honor.

www.vtmag.vt.edu
Endowed fund (1948)
The Virginia Tech Foundation’s pool of endowed funds is now made of thousands of smaller named endowments. The permanent gift that led the way for all the others and that still helps students from Hopewell, Virginia, was made by Mary Eppes to honor her ancestor, Francis Eppes.

Four-star general (1956)
Thomas C. Richards (general business ’56) was Virginia Tech’s first four-star general. He was deputy commander-in-chief of the U.S. European Command, a former commandant of the Air Force Academy, and head of the Federal Aviation Administration.

First-team All American (1959)
Football player Carroll Dale (vocational-industrial secondary education ’64) was the first Hokie ever to be named first-team All American in any sport.

Leading female engineer (1962)
Mary V. Berry (mechanical engineering ’62) claims a string of firsts—the first woman registered as a professional engineer in Virginia and the first woman appointed to the State Board of Engineers, Land Surveyors, and Landscape Architects; the first woman to receive Tech’s Distinguished Alumni Achievement Award; and the first woman to serve on the College of Engineering’s Advisory Board.

Rhodes Scholar (1962)
William W. Lewis Jr. (physics ’63) was Virginia Tech’s first Rhodes Scholar and went on to earn a Ph.D. in theoretical physics from Oxford in 1966.

Woman commissioned into ROTC (1959)
The “first woman to” who gained the most public notice was Patricia Ann Miller (general education ’64) was the first Hokie woman commissioned into ROTC; and the first woman to receive Tech’s Woman commissioned into ROTC.

Asphalt walks (1971)
The first asphalt walks across the Drillfield—two of them—were poured during the summer of 1971.

Endowed professorship (1972)
The first endowed professorship was set up by Thomas Brooks to benefit the forestry department. Brooks was a prominent Virginia lumberman who strongly supported what was then the College of Natural Resources and Environment.

Touchdown in Lane Stadium (1965)
Unlikely the first touchdown in Lane Stadium, the first Hokie touchdown by a varsity player in Lane Stadium on Oct. 2, 1965, was well recorded. The Goldblins were 80 yards from the end zone and trailing William and Mary 7-3 as the game wound down. With time running out, the home team mounted a drive down the field. Senior quarterback Bobby Owens (left) dropped back to pass and then scampere d 13 yards for the score after finding his receivers covered. Tech won the game 9-7. (By the way, the first actual game in Lane was a freshman team battle against the University of Maryland on Oct. 1, 1965.)

And while the first Virginia Tech touchdown during the Frank Beamer era was exciting, it was just about the only bright spot in a dismal 22-10 loss to Clemson on Sept. 12, 1987. Jon Jeffries (interdisciplinary studies ’99), who still holds the Tech record for most kickoff returns in a career, took a kickoff 92 yards for the only Tech TD.

World record vaulter (1977)
Irene Spieker (health and physical education ’78) was the first woman in the world to pole vault higher than 8 feet when she set an unofficial world record at 8’11/4” during the indoor Mason Dixon Games in Louisville, Kentucky, in 1977. At the time, women had just started pole vaulting and many meets didn’t even include the event. In fact, Spieker was actually the premier female runner for Virginia Tech—not a pole vaulter—with school records for the indoor and outdoor mile, 1,500 meters, and 3,000 meters.

... I feel kind of guilty over all the attention I’ve received,” she said at the time. “I don’t feel like 8 feet ¼ inch is very high. I haven’t worked that hard.” In 1979, Spieker broke the national record five times in the same Mason Dixon Games and cleared 10 feet. Although the International Association of Athletics Federation didn’t start recognizing an official world record in the event until 1992, most record charts list that 1979 vault as the first unofficial record. It stands at 16 feet 7 inches now.

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Corps women (1973)
In a notable national first, the Virginia Tech Corps of Cadets in 1973 was the first corps anywhere in the U.S. to admit women, predating even the service academies by a year. The first two females to sign up were Deborah J. Noss (management, housing, and family development ’75) and Cheryl A. Butler (art ’76), with a total of 25 joining that year to form the all-female L. Squadron. Brig. Gen. David S. Henderson, commandant, said the women’s unit was started so that Virginia Tech women could have the opportunity to participate in the ROTC programs being opened to them by the military services (in fact, Butler took the Air Force ROTC exam her freshman year and said she joined the corps as a sophomore primarily because she did well on it). Since the number of men electing on-campus military life had declined since the corps was made voluntary in 1964, Henderson also anticipated that the inclusion of women “might reverse the declining trend of recent years.”

Women’s sport team (1970)
It wasn’t until 1970 that Virginia Tech provided women with an officially sanctioned intercollegiate competitive sport: swimming.

Attention Worries Vaulter
For a collection of videos related to Virginia Tech firsts—including Miles Stadium (1965), visit www.vtmag.vt.edu.

Nasa flight director (1960)
Christopher C. Kraft Jr. (aeronautical engineering ’44) was NASA’s first flight director and was instrumental in the nation’s first spaceflight, first orbital, first spacecraft, and the first lunar landing. In 1972, he became director of the Manned Spacecraft Center, later renamed the Lyndon B. Johnson Space Center.

To read more about Peddrew and Yates, visit www.vtmag.vt.edu/spring03/feature3.
**Firsts**

Virginia Tech was the principal developer of VERnet, the first regional network of research networks using the Internet Protocol. The National Science Foundation-funded project connected the majority of the commonwealth’s colleges and universities, government agencies and schools, and several private research and commercial organizations to the larger network that we now call the Internet.

**Female regimental commander (1987)**
Denise A. Shuster Greenfield (international studies ‘88)

**African-American regimental commander (1985)**
Derek A. Jeffries (architecture ‘87)

**Woman executive (1980)**
Sandra Sullivan was named vice president for student affairs, becoming the first woman to hold a university-wide executive position.

**VERnet (1989)**
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**Marching Virginians (1974)**
When the Marching Virginians first took the football field on Sept. 28, 1974, in the midst of a dismal loss to Houston, most fans probably had no idea that the 126-member band had been a unit for just 10 days. It was cobbled together in a matter of months at the request of then-President T. Marshall Hahn Jr., who had decided “Tech needed a big-time band to have big-time football,” said Tony Dutler, who was then head the Department of Performing Arts and Communication and the person Provost Les Malpas called on to make it happen.

Tech did have the High-Y-Tighties, but only Corps of Cadets members were allowed and their numbers had dwindled to the point that it was impossible field the size band Hahn envisioned. In addition, Dutler said, Hahn thought that talented musicians in the 97 percent of the student body who weren’t cadets should have a chance to play in a marching band. The first director, Roger Heath, brought Purdue University’s internal, student-run system—similar to the way the corps is run—with him. “It’s the only big-time band in the United States that’s still run that way,” Dutler said. Though he doesn’t remember the first song played by the Marching Virginians, he knows that “Bridge Over Troubled Water” was in the repertoire.

Though retired, Dutler maintains his position as “voice” of the Marching Virginians, and the tower on their practice field is named the Tony Dutler Marching Virginians Tower.

Heath, the first director, said the inaugural year was full of challenges. “That summer while we were deciding what to call the new band, we were ordering new instruments and trying to find a place to put them; we were looking for a practice field and indoor facilities for rehearsals; we were deciding when, how, and where we could do a training camp before school in the late summer. We were writing to every prospective band member we knew about, we were interviewing new students on campus during orientation, and we were designing and ordering new uniforms. We had no traditions, and the only measuring stick of our success was how we compared to the high school bands from which we had emerged.”

**Olympian (1972)**
Todd Scully, a one-time coach of Tech’s cross-country team, served as an alternate on the Olympic racewalking team in 1972 and competed in 1976. In 1980, he was a Tech graduate student when he again was selected for the Olympic team, but the U.S. boycotted the games that year, and so technically he never competed while studying at Tech. “It was disappointing to everybody,” Scully remembers. “You just spent four years making progress and improvement, and you end up not being able to use it. Between ’76 and ’80 I think I set seven world records... I was ready to compete.”

**Female provost (1995)**
The university appointed College of Human Resources Dean Peggy Meszaros as senior vice president and provost, the highest administrative position ever held by a woman at Virginia Tech.

**Spin-off company (1985)**
Vinod Chachra (M.S. industrial engineering ‘68, Ph.D. ’71) pioneered more than a couple of important Virginia Tech firsts. In 1985, after serving in several roles starting in 1972, he was named vice president of computing and information systems, the first such vice president at any public university in the nation. In 1985, he was asked to lead the first spinoff company formed from a Virginia Tech intellectual property—VTLS Inc. (Virginia Tech Library Systems), an automated circulation and cataloguing system created for Newman Library. “During the first 19 months of the company, we were losing a thousand dollars a day, including weekends,” Chachra has said. “There was a lot of negative cash flow going on.”

But after a major breakthrough in 1987, VTLS became the first tenant at the Virginia Tech Corporate Research Center (CRC). Now, VTLS provides creative software solutions to a diverse customer base of more than 2,100 libraries in 40 countries. Although the Virginia Tech Foundation sold its shares of the company years ago, the Foundation has used the profits to make other crucial investments in the CRC, leveraging dividends from that first spinoff into advancements for other innovations.

**Nobel Prize (1996)**
Robert C. Richardson (physics ‘58, M.S. ’60) won the Nobel Prize in Physics for discovering how helium-3 can transform itself into a liquid that flows without friction at temperatures near absolute zero.
Female African-American regimental commander (2006)
Christina Royal (sociology ’06)

Caldwell March (2000)
Twenty-first century Virginia Tech cadets have all taken approximately the same route first trudged by William Addison “Add” Caldwell and older brother Milton M. “Mic” Caldwell to get from Sinking Creek in Craig County, Virginia, to Blacksburg to enroll at VAMC, but what has become a cherished tradition for the corps didn’t actually start until 2000. Germination for the Caldwell March came in 1997, when Col. Ed Schwabe, deputy commandant of the corps, participated in a university-sponsored 125th anniversary march commemorating the Caldwells’ trek. At first he thought about doing the entire march at one time, but that would have required overnight field equipment for hundreds of people, so the trek is split in two, with the fall march marking the end of what is known as the Red Phase of cadet training and the spring part marking the end of freshman training.

“Enter Sandman” (2000)
When Virginia Tech added a fancy new scoreboard to Lane Stadium ahead of the 2000 season, the athletics marketing team decided to use the scoreboard for an entrance video. “The group considered “Welcome to the Jungle” by Guns N’ Roses and “Sirius” by the Alan Parsons Project before settling on Metallica’s “Enter Sandman.” The song was first played on Aug. 27, 2000, for the season opener against Georgia Tech—the famous “Lightning Bowl” that was canceled after the teams had taken the field but before kickoff. Fans also will remember that game for lightning striking ESPN analyst Lee Corso’s car shortly after he picked against Tech.

Lavender commencement (2009)
The first Lavender commencement ceremony for LGBT students was held.

Humanoid robot (2008–10)
CHARLI (Cognitive Humanoid Autonomous Robot with Learning Intelligence), born in the College of Engineering’s Robotics and Mechanisms Laboratory, was the first untethered, autonomous, full-sized, walking, humanoid robot with four moving limbs and a head built in the United States. His legs and arms move and gesture thanks to a combination of pulleys, springs, carbon fiber rods, and actuators. A subsequent version went on to dominate the international robot soccer competition, known as RoboCup.

Homebuilt supercomputer (2003)
System X, Virginia Tech’s first supercomputer, was assembled in the summer of 2003 by faculty members, staff, and students for a mere $5.2 million, and at the time was ranked as the world’s most powerful and cheapest homebuilt supercomputer (third-fastest supercomputer in the world). By comparison, the fastest supercomputer at that time cost approximately $400 million to build. Made up of 1,100 Apple PowerMac G5 computers, System X surpassed the original processing speed goal of 10 teraflops. The computer was retired in 2012.

Mass Arts Center performance (2013)
On Nov. 1, 2013, the Philip Glass Ensemble christened the Moss Arts Center’s Anne and Ellen Fife Theatre in the Street and Davis Performance Hall. The sold-out performance featured contemporary music performed live by Glass and his ensemble accompanying the film “Powaqqatsi: Life in Transformation.” The performance was chosen to launch the inaugural season based not only on the extraordinary sensory power of the music and imagery, but also for the timely and compelling international themes and questions it raises. The Blacksburg Children’s Chorale joined the ensemble for the performance.
Kylie Gilbert may describe her involvement in Virginia Tech’s Residence Hall Federation (RHF) as “kind of an accident,” but she certainly has made the most of her time in the organization, including serving two terms as president.

A rising senior from Manassas, Virginia, majoring in finance and accounting and information systems in the Pamplin College of Business, Gilbert said she initially hesitated at the idea of seeking her first leadership post in student governance.

“I faced a lot of self-doubt because I was not confident in my abilities, and I didn’t think I could win,” she said.

Though she almost withdrew from the running for executive vice president of the Peddrew-Yates Hall Council during her first semester on campus, Gilbert said a pep talk from a hall-mate led her to stay in the race. Once on the council, she started attending larger-scale meetings of student leaders and went to a regional RHF conference at Georgia State University. The experiences made her want to get even more involved.

When the post of vice president of finance and administration for the university’s RHF opened up during the second semester of Gilbert’s freshman year, the accounting major director of housing and residence life for the Division of Student Affairs who encouraged Gilbert to seek the presidency.

Gilbert said that much of her success in developing her leadership abilities was due to the support of fellow students and university administrators like Bannon. In addition, Gilbert, who is paying a portion of her college costs, received the Clifford A. Cutchins Scholarship and an R.B. Pamplin Scholarship, which freed her from needing a part-time job and allowed her to take an unpaid internship in the White House’s Office of the Chief Financial Officer in the summer of 2013. While the internship will be beneficial should Gilbert seek an accounting job, including managing a budget of $125,000, Gilbert admitted she was “very, very afraid” when she was nominated for president at the end of that semester. Drawing on support from a faculty advisor, and looking within, Gilbert found her voice to represent the 9,400 students living on campus.

“She went from being a timid and unsure leader to someone who is outspoken and takes advantage of every opportunity to learn, grow, and help others find their voice.”

—Jennifer Bannon, Division of Student Affairs

Patty Perillo, the university’s vice president for student affairs, said she admired Gilbert “for many reasons—most notably because she is a quintessential servant-leader, one who cares deeply about impacting the community in positive ways. She leads without fanfare and never seeks attention or credit.” That mindset influenced Gilbert’s decision not to seek another term as president. Having seen how the position helped her become ready to lead, she thought it best to step back in order to let one of her fellow students come forward.

“Thinking about how much RHF did for me,” Gilbert said, “I want someone else to have that experience.”

Beth Cameron (English ’14) was an intern with Development Communications.
The Future couple first met in the summer of 1984 by way of Virginia Tech’s “Our career” Noel to their university community. The couple to quietly blend into a gathering of Hokies—have endeared both Kirk and Noel to the Institute of Electrical and Electronics Engineers’ Power and Energy Society (PES). Their titles aside, the Schulzes’ down-to-earth demeanors—which allowed them to be even more “musical” than anyone expected them to be. Kirk served as the 2012-13 president of the Institute of Electrical and Electronics Engineers’ Power and Energy Society (PES). Their titles aside, the Schulzes’ down-to-earth demeanors—which allowed them to be even more “musical” than anyone expected them to be. 

The Schulzes decided to enable each other. “Noel talked about when we were dating that she wanted to live outside the United States at some particular point.” Kirk said. “When I visited her in France, she was quite taken with the idea of living outside the United States.”

“Then I visited her in France, she was quite taken with the idea of living outside the United States.”

And they see that attitude and flexibility in their sons: Tim is a graduate student at the University of Tula, and Andrew is a rising sophomore at Oregon State University. At Mississippi State University from 2001 to 2009, Kirk rose from director of the chemical engineering school to dean of the James Worth Bagley College of Engineering, to vice president for research and economic development. The couple recognized that in order to avoid appearances of favoritism, Noel’s best leadership opportunities were outside the university setting. After serving as PES secretary from 2004-07 and treasurer from 2008-09, Kirk nudged her toward the presidency. “Kirk has always encouraged me to lean in to take leadership opportunities when maybe I didn’t think I was ready,” Noel said.

At PES, an international organization of more than 32,000 members that unites power and electric professionals from industry, government, and academia, Noel became one of two female presidents in the society’s 30-year history. Focused on attracting women to PES, she established an affinity group for members, Women in Power. 

Easy accessible and responsive, Noel was much younger than a typical president, which “speaks highly of her capabilities and acceptance among her peers,” said Virginia Tech’s Saffir Rahman, the Joseph R. Loring Professor of Electrical and Computer Engineering and a former PES vice president who mentored Noel and taught her in Tech classes. “She is very focused. When she puts her mind to it, she sees it can be done. She’s very hard-working.”

Through the years, the Schulzes have supported each other. Describing the journey, Noel made linguistic choices that stood out: a plural possessive, “our,” and a singular noun, “career.”

“If you look at our career,” Noel said, “it’s been a team effort.”

Leading K-State

Preparing for a ceremony to renew a formal partnership between the university and the U.S. Army’s 1st Infantry Division, which is based at Fort Riley, adjacent to Manhattan, the Schulzes entered the K-State alumni center’s foyer and began greeting attendees in fatigues and suits.

At the reception, prior to the ceremony, K-State Provost April Mason quickly offered to talk about the Schulzes. In 2010, a search committee had contacted her, but she was content at Colorado State University. Then an email appeared in her inbox, from a “Kirk S.” at K-State. “I thought, ‘What is this? Is it another member of the search committee?’” Instead, the email was from Kirk, saying simply, “Your name has come forward. Would you like to talk about it?”

The president’s approach intrigued Mason, and Kirk’s philosophies toward higher education resonated with her own. “He’s someone who’s willing to take on difficult tasks, who’s willing to be consultative, someone who has tremendous enthusiasm and energy,” Mason said.

As the ceremony began, Kirk, sitting with Noel at the front row of tables, stared down at his phone. Those who know him, however, realized he wasn’t disengaged. Just the opposite, in fact, as Kirk snapped a photo of a speaker and tweeted it. Taking to social media was a conscious decision, Kirk said. “One of my frequent criticisms of administrators when I was a student was that they didn’t use Twitter. Now, I’m doing it.”

The Schulzes at Kirk’s presidential inauguration (above) and with their sons Andrew (left) and Tim (right). Lower photo courtesy of David Mayes, Kansas State University Division of Communications and Marketing.
The pride that the Hokie Nation holds for its servicemen and women dates back to the origins of the university. That relationship is symbolized in today’s Corps of Cadets and showcased in many venues around campus, from Lane Stadium to the Holtzman Alumni Center to the new residence halls that will soon house the corps.

Many of our cadets come from military families whose members have served in the longest sustained period of conflict in our nation’s history. Brigadier Johnson, a freshman political science major and first-year cadet in Hotel Company, is a case in point. His father, Jared Johnson, a government service special agent with the Drug Enforcement Agency, has been deployed to Afghanistan since January of 2004. His mother is an accomplished seamstress, a freshman mathematics major whose college, today’s Virginia Tech.), who proudly carried them on the spring Caldwell March.

Both flags were then sent to the cadets, who proudly carried them on the spring Caldwell March. The plan was for FAST to photograph the flag flying in Afghanistan before returning it to the cadets, who would carry it with them on the spring Caldwell March. (Under the leadership of selected upperclassmen, first-year cadets complete the 26-mile march in two segments, one in the fall and one in the spring. The march retraces the steps of Addison “Add” Caldwell, the first student-cadet to enroll in 1872 in what was then Virginia Agricultural and Mechanical College, today’s Virginia Tech.)

To create the flag, the cadets approached a member of their unit, Zachary Lanman, a freshman mathematics major whose mother is an accomplished seamstress. Lanman’s mother soon finished the flag.

In return, FAST decided to see the cadets one flag and raise them another. The team designed a flag and asked a tailor in Kabul—where they’re doing classes during the university presidency—to make it. The flag contains the motto “It was fun!”

Genuine and engaged to the end, the power the pride that the Hokie Nation holds for its servicemen and women dates back to the origins of the university. That relationship is symbolized in today’s Corps of Cadets and showcased in many venues around campus, from Lane Stadium to the Holtzman Alumni Center to the new residence halls that will soon house the corps.

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Genuine and engaged to the end, the power
Welcome to Virginia Tech, President Sands

Virginia Tech has transitioned once again in its presidency, with Timothy D. Sands assuming the office on June 1. In the university’s 142-year history, such a transition has been remarkably infrequent. The shortest transition (possibly on record at any university) was when the third president was named in 1880, but changed his mind before taking office and therefore was never counted officially among our 16 presidents. The longest-serving president, Julian Burruss, led the university two-and-a-half decades. That long of a tenure was rare among institutions, even in the first half of the 20th century.

History records that each president, particularly those since the early 1960s, has inspired continued growth of university programs, degree offerings, the physical campus, satellite campuses, research, outreach, competitive athletics, and national rankings. According to most rankings and metrics today, Virginia Tech is regarded among the nation’s leading universities in a higher-education community of about 4,000 institutions.

Sands follows modern presidents T. Marshall Hahn Jr., William E. Lavery, James D. McComas, Paul E. Torgersen, and Charles W. Steger. When President Hahn assumed the presidency in 1962, there were barely 6,400 students. His first day in office came nearly 100 years to the day Abraham Lincoln signed the Morrill Land-Grant Act, which charted the course for a new type of institution centered on expanding curriculums to serve a growing industrial and agricultural national economy. Virginia Tech was among the early institutions established and seeded by these federal matching funds. In 1962, there were just shy of 30,000 living alumni who welcomed their new president.

Sands took office nearly 152 years after the Morrill Act. And oh, how the landscape has been changed by his predecessors, their administrations, and the faculty. He inherits an enrollment exceeding 31,000, five times more than at the beginning of the Hahn presidency. Expanding enrollments over the past 50 years have yielded an alumni base that has grown by more than 200,000 to the current total of about 238,000.

A proud Hokie Nation welcomes the university’s 16th president and pledges to help him and the university in many ways. As the old saying goes, there is strength in numbers (of alumni). That strength will manifest itself through service to the university and the world beyond, through student recruitment, through mentoring and hiring graduates, through financial support, through athletic fan support, and through advocacy at the state and national levels. Virginia Tech alumni are enthusiastic about and engaged in these and many other ways to advance the university.

We welcome Tim Sands and his wife, Laura, as the university’s new first family. They are thrilled to be Hokies.

Tom Tiller ’69
Vice President for Alumni Relations

In his first week in office, Tim Sands explored campus with his wife, Laura (top), greeted guests at a welcome reception (lower right), and shared a lighter moment with Board of Visitors member Cordell Faulk ’98 (middle). At left, the Sands visited with Tom Tiller outside the Holtzman Alumni Center.
Alumni community service: The Big Event

During the annual Big Event on April 5, more than 8,000 students, alumni, and volunteers completed nearly 1,000 community service projects. Each year, alumni serve communities across the country while students serve the New River Valley, resulting in a partnership that embodies the *Ut Prosim* (That I May Serve) motto and extends service in the name of Virginia Tech.

The Big Event began in 2002 as a student-run community service effort that has since grown into the second-largest event of its kind in the nation. Each year, thousands of students, assisted by faculty and staff, come together to complete projects throughout the area, serving residents regardless of socioeconomic status.

In April 2012, the Charlotte Alumni Chapter, at the prompting of one of its volunteers, Nathan Lavinka (communication, marketing management ’11), mirrored the Big Event. As a student, Lavinka was co-director of the campus event. He suggested involving alumni in his chapter area, and volunteers conducted three service projects around Charlotte. In 2013, the Alumni Association challenged more chapters to join the Big Event, several chapters responded by performing service projects from Seattle to New England.

In 2015, the Big Event will be held on Saturday, April 4. Alumni should make plans early to join this special opportunity to serve their local communities. Along with April 16 Remembrance events, the month has become focused on performing service as alumni, students, faculty, and staff live out the Hokie Nation’s motto.
2014-15 travel tours

Cruise the Waterways of Russia
AHI, River Victoria
Aug. 21-Sept. 1 • $4,299* (air included)

Baltic Treasures
Go Next, Oceania Cruises’ Nautica
Aug. 21-Sept. 1 • $4,299* (air included)

Accent on the Rivieras
Go Next, Oceania Cruises’ Marina
Oct. 3-11 • from $2,499* (air included)

Treasures of Southern Africa
AHI
Oct. 8-22 • $6,995*

Cruise the Panama Canal
AHI, Crystal Cruises
Nov. 19-30 • $3,290*

Old Fashioned Holidays in the South
Go Next, American Queen
Dec. 5-13 • $2,549*

Caribbean Getaway
Vacations To Go, Celebrity Reflection
Dec. 6-13 • $764*

2015

Safaris, Sands, and Sars
Go Next, Oceania Cruises’ Nautica
Jan. 5-Feb. 5 • $9,999* (air included)

Mystical Andes and Majestic Jungles
Go Next, Oceania Cruises’ Marina
Feb. 2-23 • $5,999* (air included)

Caribbean Paradise
Go Next, Oceania Cruises’ Riviera
Feb. 23-March 5 • $2,799* (air included)

A Toast to Provence and Burgundy
Go Next, A.R. Seana Stilla
May 1-9 • $3,660*

Isles and Empires of the Adriatic
Go Next, Oceania Cruises’ Riviera
May 2-11 • $2,999* (air included)

Southern Culture and Civil War
Go Next, American Queen
May 14-23 • $4,699*

River Routes and Channel Crossings
Go Next, Oceania Cruises’ Marina
May 18-June 3 • $5,299* (air included)

Exotic Mediterranean
Go Next, Oceania Cruises’ Nautica
May 19-31 • $5,999* (air included)

Pearls of the Mediterranean
Go Next, Oceania Cruises’ Riviera
June 15-23 • $2,699* (air included)

Coastal Alaska
Go Next, Oceania Cruises’ Regatta
July 7-14 • $2,299* (air included)

Passage of Lewis and Clark Expedition
Go Next, American Steamboat Company’s
American Empress
July 18-26 • $3,795*

Nordic Pathways
Go Next, Oceania Cruises’ Riviera
Aug. 1-14 • $5,499* (air included)

Baltic Marvels
Go Next, Oceania Cruises’ Nautica
Aug. 19-27 • $2,999* (air included)

Jewels of the Aegean and Holy Lands
Go Next, Oceania Cruises’ Riviera
Sept. 16-27 • $4,299* (air included)

Iberian Princes and Palaces
Go Next, Oceania Cruises’ Marina
Oct. 23-Nov. 3 • $3,799* (air included)

Mediterranean Artistic Discoveries
Go Next, Oceania Cruises’ Riviera
Nov. 6-16 • $3,999* (air included)

Cuba
Go Next
TBA • $4,599-4,999* (round-trip airfare to Miami is additional)

Splendors Down Under Cruise, Oceania, Feb. 21-March 11

In searching for something really special to do to commemorate our 50th anniversary, my wife and I came across a brochure from Virginia Tech about a trip to Australia and New Zealand. The price was very reasonable, and one of the departure cities was our hometown of Richmond, Virginia. What a great trip! Tour coordinator Go Next and Virginia Tech combined to make this trip of a lifetime. In addition to the beautiful scenery of Australia and New Zealand, we attended a number of events on board hosted by Tech. We enjoyed spending time and sharing memories with the Hokies we met. There were alumni from about 20 universities on board, but our Tech contingent was one of the largest. The Oceania cruise line was top-notch and added to the enjoyment. We look forward to joining fellow Hokies on future trips.

Jon ’58 and Jill Loker
Tahitian Jewels, Oceania, March 26-April 5

We’ve been on numerous cruises but consider the Tahitian Jewel cruise on Oceania’s Marina to be our favorite. It was the trip of a lifetime. The turquoise blue waters of the South Pacific and French Polynesian islands are so beautiful. This trip made for a fine way to celebrate our 55th wedding anniversary—and, of course, we had to purchase some Tahitian black pearls! Furthermore, traveling with great Hokies helped top it off. The Alumni Association picked a real winner and served us well. The alumni travel director, Green Harrington, was a terrific help and a super host (complemented by her husband, Mike).

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2014 Reunions

Sept. 20 – Georgia Tech
Class of 1974 – 40th Reunion
Class of 1979 – 35th Reunion

Sept. 27 – Western Michigan
Class of 1964 – 50th Reunion

Oct. 23 – Miami
Class of 1984 – 30th Reunion
Class of 1989 – 25th Reunion

Nov. 1 – Boston College
Class of 1969 – 45th Reunion

Nov. 28 – Virginia
Young Alumni Reunion

2014 Homecomings

Aug. 30 – William & Mary
Veterinary Medicine
Graduate School

Sept. 13 – East Carolina
Corps of Cadets
College of Natural Resources
and Environment
College of Liberal Arts
and Human Sciences

Sept. 20 – Georgia Tech
College of Agriculture and Life Sciences

Sept. 27 – Western Michigan
(Homecoming Parade)
Alumni Center Open House and Tailgate

College of Engineering
Student Affairs: SGA and Order of the Gavel
Highly-Tighties
Marching Virginians

Oct. 23 – Miami
College of Science

Nov. 1 – Boston College
Pamplin College of Business

Nov. 28 – Virginia
College of Architecture
and Urban Studies
Student Alumni Associates 45th Reunion

Details and Registration:
www.alumnivt.edu/reunion

Alumni board elects officers and members

Alumni Association Board of Directors President Matthew M. Winston Jr. (marketing ’90) and board Vice President A. Carole Pratt (biological sciences ’72) were recently re-elected to one-year terms. Winston resides in Athens, Georgia, and serves as assistant to the president of the University of Georgia. Pratt, a retired dentist and a policy advisor with the Virginia Department of Health, resides in Dublin, Virginia. Also elected to the board’s executive committee were Kendley J. Davenport (public affairs, management ’84), Lisa Carter Ellison (finance ’86), and Mark S. Lawrence (management ’80).

Newly elected board members include Gordon “Gordy” Bryan (theatre arts ’82), Thomas H. Hughes (architecture ’80), Michael T. Kender (chemical engineering ’83), Adeel S. Khan (accounting and information systems ’09), Nathan T. Laviska (communication, marketing management ’11), Jacob A. Luz (finance ’78), and Justin A. Yalung (finance ’95). Incumbents elected to a second term were Morgan E. Blackwood (industrial systems engineering ’02), Marvin J. Boyd (management science, management ’00), and Karen E. Torgeresen (elementary education ’78, M.B.A. ’86).

reunions & homecomings

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**Book Notes**

**nonfiction**


George Norton, professor, agricultural and applied economics department, “Hunger and Hope: Escaping Poverty and Achieving Food Security in Developing Countries,” memoir, textbook, Waveland Press.

**ALUMNI**

Christopher J. Birc (mining engineering ’72), editor, “Modern American Coal Mining: Methods and Applications,” textbook, Society for Mining, Metallurgy & Exploration.


DeMond Owens (technology education ’97), “Tao of Funkizum,” self-help, CreateSpace.


Adrienne Trier-Bieniek (M.S. sociology ’07), “Sing Us a Song, Piano Woman: Female Fans and the Music of Tori Amos,” music, women’s studies, Rowman and Littlefield.


**fiction**


**faculty/staff**

nonfiction

From 2007 to 2009, teacher and Pittsburgh native Emily Korrell (interdisciplinary studies ’98) was an educator at the National Museum of Natural History in Washington, D.C., where she enjoyed learning new things from the museum’s scientists and sharing museum secrets with visitors young and old. She spent five years creating the official guide to the Smithsonian Institution, “Amazing Adventures at the Smithsonian,” released by Smithsonian Books in 2013. Today, she lives with her husband, Gideon Korrell (electrical engineering 01), and her son, Cyrus, in Northern California, where she teaches second and third grades.

Welcome to the National Air and Space Museum.

You have arrived at one of the most popular museums on Earth, the Smithsonian National Air and Space Museum. Here you will be surrounded by the world’s largest collection of airplanes and spacecraft. You will also discover all kinds of objects—large and small—related to the science and technology of flight, the study of space, and the exploration of the universe. Here you will spend a lot of time looking at the planes and spacecraft that seem to be flying throughout this huge museum.

Have you ever flown on a plane? Would you like to visit outer space someday? It may be hard to believe, but human flight is a relatively new development. In the past 100 years or so, people began figuring out how to get off the ground and into the air and stay in the air. And it’s only been about 60 years since people figured out how to travel to space. Your grandparents probably watched the first humans walk on the moon on television. Ask them to tell you about it!

You are lucky to live in the age of flight! Our big world seems smaller today than we can fly almost anywhere on Earth within a day. Where would you like to fly? How about space? Maybe in your lifetime, spaceflight will become common for many people, not just as dreamers like you!

So, get started with your exploration of flight and space travel. At the National Air and Space Museum you will find out how it all began, what important steps were taken along the way, and what lies ahead for our next great leaps into space, just as it was for the early pioneers, explorers like you!

Submission guidelines are available online at www.vtmag.vt.edu/books. To submit a book, mail it to Book Notes, Virginia Tech Alumni Association, Hofstman Alumni Center (1100), 301 Peabody Blvd., Blacksburg, VA 24061; email the news online at www.vtmag.vt.edu/submissions/please send photos, where photos may also be uploaded for consideration. Alumni mailing addresses may be viewed online at www.alumni.vt.edu/ directory by logging in with your Virginia Tech PID and password. For assistance, call 540-231-6285.
As evidenced in these Class Notes pages, plenty of Hokies are going pro—and some of them are going pro on the football field. With the 14th pick in the NFL draft, the Chicago Bears selected defensive back Kyle Fuller (finance '14). The Arizona Cardinals tapped quarterback Logan Thomas (human development '12) in the fourth round, and the Minnesota Vikings picked up defensive back Antoine Exum (finance '14) in the sixth round.

Three Hokies selected in NFL draft

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Hokies display "Intrepid Spirit"

A number of Hokies with Turner Construction Co. played a pivotal role in the creation of Intrepid Spirit, a clinic for treating traumatic brain injuries and post-traumatic stress disorder. The Ft. Belvoir, Virginia, facility—built entirely with donated funds—is a part of what will be a network of clinics connected to the National Intrepid Center of Excellence, a Department of Defense institute. At the grand opening in 2013, actor Gary Sinise (center) posed with (from left to right) project engineer Kipra yeyer (M.S. architecture '04), project executive Gary Ball (who has pursued graduate studies in civil engineering), and senior operations manager H. Benjamin Short (building information modeling manager Drew Melton II (building information modeling), named one of Virginia's Super Lawyers. The Virginia Law Foundation and was presented with a Honorary FAQ for his achievements in urban planning. Ronal K. Clark (M.E.) earned $126,113. Benjamin F. Critzer (ORIE) earned $100,314.

Beamer's tenure.

Bobby Williams (ME), Lubbock, Texas, 2/6/14.

Lynn C. Wiggum (BA), Reaume, Va., 1/15/14.

L. M. "Mac" McBride (AGED), Blacksburg, Va., was awarded the Wright Brothers Master Pilot Award by the Federal Aviation Administration (FAA) for his exceptional service in the hotel and resort industry.

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Beamer's tenure.
New Fashions! For Men and Women!

Since 1995, Virginia Tech Services, Inc. has submitted surplus funds to Virginia Tech valued at more than $45,000,000.

www.storebook.vt.edu

Shaping the Net
by ALEX BARUCH

The chair of the Internet Architecture Board (IAB), Russ Housley (computer science ’82), is quick to acknowledge that “no one is in charge of the Internet.”

Still, Housley comes closer than most. The IAB oversees the Internet’s technical and engineering development, as an activity of the Internet Society, a global nonprofit organization that promotes online standards, education, and policy.

Elected IAB chair in 2013, Housley is a security systems consultant who founded Vigil Security in 2002. From 2007 to 2013, he served as chair of the Internet Engineering Task Force (IETF), the group responsible for the protocol standards that allow the Internet to work. At IAB, Housley monitors the technical evolution of the Internet. “The IAB is focused more on technology than policy,” Housley said. “However, what we have learned is that technology-savvy people need to speak out and participate in discussions about Internet policy.”

Housley and current IETF chair Janet Aniski recently visited the White House. “We provided the cybersecurity coordinator [with the perspective of the technical community on several topics related to Internet governance],” Housley said.

“When I was a recent graduate from Virginia Tech, my goal was to manage a small programming team,” Housley said. “My vision was never to be invited to the White House to talk about policy of the Internet. It has been a very fulfilling career evolution.”

Alex Baruch (M.P.A. ’14) was a graduate assistant in University Relations.

ALEX BARUCH

David E. Niermann (ARCH), Washington, D.C., was elected to the American Institute of Architects’ College of Fellows.

James B. H. Hilton (MINE), Eden, N.C., was named a Rock and Insurance Management Society Inc. Fellow and appointed to the board of the Captive Insurance Group of New Jersey and the Association for Responsible Alternatives to Worker Compensation.

Michael J. Mason (FW), Indianapolis, Indiana, March 28, 2014.

John D. Miller (ZOO) ’78, Ponc Valla Beach, Fl., 12/14.

Rex A. Robedore (ETE), Lanido, N.J., 3/15.

‘79. Christopher E. Mandell (MGT), Nrw York, N.Y., was named to the Risk and Insurance Management Society Inc. Fellow and appointed to the board of the Captive Insurance Group of New Jersey and the Association for Responsible Alternatives to Worker Compensation.

David M. Coffey (EDVT), Newton, Ga., 7/1/14.

Lisa A. Cypert (EDCC), Yorkton, Va., 7/13.

Louise J. Miles (ARCH), Alexandria, Va., 1/28/14.

‘79. Deborah L. Floyd (EDCC), Fort Lauderdale, Fl., was named interim dean of the Graham College and professor of higher education at Florida Atlantic University.

Michael L. O’Reilly (BC), Fort Collins, Colo., received Colorado State University’s 2014 Best Teacher Award.

Robert P. Burton (FH), BAD 86, Maryland, Va., 7/13.


Maurie R. Olson (SM), Ashland, Va., 12/26/13.

‘88. Scott A. Bonnent (ARCH), Valley, Fl., retired from the Navy af ter 28-plus years of service and is now director of commercial training services for ACADEMI Consulting Services.

Neil A. Carrow (ARCH), Savu Ke., N.M., 1/29/13.

Jeffrey E. Rogers (ACCT), Mullens, W.Va., 1/29/14.

‘81. Karen Brown (ARCH) ’82, New York City, N.Y., has joined architecture firm LAbO LAB.

David B. Lavaty (CE), Fremont, Va., received a 2013 National J. Hay mson Service of America Medal from President Barack Obama.

‘83. Susan E. Mittereder (ESM), ESM 86, Haymarket, Va., retired as Fairfax County supervisor, and directed but was honored by the local board of supervisors and the General Assembly for her 38 years of service.

Donald A. Pecora (EDAD), Cockeysville, Md., 2/29/14.

Barbara D. Beatty (ETE), Dunkirk, Md., 2/21/14.

‘83. Stephen A. Barnes (ARCH), New Providence, Pa., was elected presi dent of Marshall Craft Associates Inc.

Mauri A. Manick III (ARCH), Bell Air, Md., was named vice president and treasurer of Marshall Craft Associates.

Timothy B. Bache (EDVT), Dallas, Va., retired general at the U.S. Inter est Section in Havana, Cuba.

‘84. Robert D. Cayon (ME), Eric, Pa., was director of mineral con tribution programs for MPIR Associates in Alexandria, Va.

James F. Dickehan (FW), Zinn Crossroads, Va., built the home, barn, land, and infrastructure and estate division with Charlottesville Solutions.

Steven N. Mayer (FW), Ramen, Va., was elected to the National Fresh Wine judging Hall of Fame.

James N. Swingle (HRIC), Los Aliso, Cali., is a corporate attorney for Cooley.

Lisa G. Miller Lahr (EDCC), Wy At, Va., 1/29/14.

‘85. One L. Hyman Cook (SLED, EDIC 94), Hinsdell, Va., was named 2014 Virginia Region 7 Teacher of the Year.

Karen A. Campbell (HIST), Mount Airy, N.C., 2/26/14.

Dana E. Markham Short (CE), Arlington, Va., 2/26/14.

‘86. Devon Brunewith (CE), Blackburn, Va., was elected to the National Academy of Engineering.

Charles A. Kilpatrick (CE), Frederick, Va., was appointed commissioner of the Virginia Depart ment of Transportation for Troy. Terry McAuliffe.

Barbara A. Keath (FW), Ichana, N.Y., was named chairman-elect of the Council of Graduate School at Cornell University.

Ronna K. Ring (FW), College Park, Md., was named Virginia State Forest for Troy. Terry McAuliffe.


Dana E. Markham Short (CE), Arlington, Va., 3/2/14.


LaDell W. Wright Lock (MKTG), Deltaville, Va., 2/12/14.

Bonnie R. Roberts Penney (MKTG), Deltaville, Va., 2/12/14.

Donald A. Pecora (EDAD), Cockeysville, Md., 2/29/14.

Barbara R. Robertson Finn (MKTG), Dunkirk, Md., 2/21/14.


Shaping the Net The chair of the Internet Architecture Board (IAB), Russ Housley (computer science ’82), is quick to acknowledge that “no one is in charge of the Internet.”

Still, Housley comes closer than most. The IAB oversees the Internet’s technical and engineering development, as an activity of the Internet Society, a global nonprofit organization that promotes online standards, education, and policy.

Elected IAB chair in 2013, Housley is a security systems consultant who founded Vigil Security in 2002. From 2007 to 2013, he served as chair of the Internet Engineering Task Force (IETF), the group responsible for the protocol standards that allow the Internet to work. At IAB, Housley monitors the technical evolution of the Internet. “The IAB is focused more on technology than policy,” Housley said. “However, what we have learned is that technology-savvy people need to speak out and participate in discussions about Internet policy.”

Housley and current IETF chair Janet Aniski recently visited the White House. “We provided the cybersecurity coordinator [with the perspective of the technical community on several topics related to Internet governance],” Housley said.

“When I was a recent graduate from Virginia Tech, my goal was to manage a small programming team,” Housley said. “My vision was never to be invited to the White House to talk about policy of the Internet. It has been a very fulfilling career evolution.”

Alex Baruch (M.P.A. ’14) was a graduate assistant in University Relations.

ALEX BARUCH

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Insects as evidence

The most common cock- tail party question for entomologists, who study insects: What’s the best way to exterminate them?

The work of Kimberly Lane Kreitlow (Ph.D. entomology ‘04) turns that question on its head. Instead of killing bugs, she uses them to an- swer questions about dead bodies.

Kreitlow is a forensic ento- mologist who occasionally aids investigators and serves as a witness in criminal and civil cases. Her work usually means determining how long a body has been dead through identifying what insects are present and where they stand in a successional cycle.

“You may have a situation where a body has been found and perhaps they have witnesses and a date for last seen alive,” Kreitlow said. “If you have photo evidence there were insects perhaps they have witnesses and a date for last seen alive, “You may have a situation where a body has been found and perhaps they have witnesses and a date for last seen alive, “You may have a situation where a body has been found and perhaps they have witnesses and a date for last seen alive, “You may have a situation where a body has been found and perhaps they have witnesses and a date for last seen alive, “You may have a situation where a body has been found and perhaps they have witnesses and a date for last seen alive, “You may have a situation where a body has been found and perhaps they have witnesses and a date for last seen alive.

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“You may have a situation where a body has been found and perhaps they have witnesses and a date for last seen alive,” Kreitlow said. “If you have photo evidence there were insects perhaps they have witnesses and a date for last seen alive, “You may have a situation where a body has been found and perhaps they have witnesses and a date for last seen alive, “You may have a situation where a body has been found and perhaps they have witnesses and a date for last seen alive.

The age of the body matters both for criminal cases and for civil matters such as determining an inheritance. Forensic en- tomology also factors into issues such as whether to award disability pay for a bee sting or how the presence of termites affects a home sale.

To date, Kreitlow has participated in 17 legal cases and written a chapter of the 2010 book “Forensic Entomology: The Utility of Arthropods in Legal Investigations.”

The adjunct assistant professor at North Carolina State Uni- versity has taught forensic entomology for several years and received the Virginia Tech College of Agriculture and Life Sci- ences Outstanding Recent Alumni Award in April.

Kreitlow originally came to Tech with the intent of studying bees with Richard Fell, professor emeritus in the entomology department. In a fortuitous coincidence, her interests shifted to forensic entomology just as Fell had started working with the Roanoke medical examiner. He quickly approved Kreit- low’s new Ph.D. program, and thereafter they periodically fielded requests from the medical examiner.

“When I first started, I didn’t think there would be a time I’d have to go collect insects off a dead body,” Kreitlow said. “Nothing can prepare you for that, no matter how much field- work and research you’ve done. It really impacts on your memory.”
Steven Rich (communication ’11) was part of a Washington Post reporting team that in April won the Pulitzer for Public Service for six months of reporting on the National Security Agency (NSA) and the intelligence community. The team included 33 staffers whose reporting helped spark a national discussion about the balance between individual privacy and national security. Rich is the database editor for the Post’s investigative unit, and he was included in a three-reporter byline for a story headlined “Files show NSA targeted for encrypted network” that ran Oct. 5, 2013. The Post series examined documents leaked by former NSA contractor Edward Snowden.

Chase R. Silk (ENG), Lebanon, Va., received a master’s degree in English and creative writing from Southern New Hampshire University.

Sarah R. Williams (PSYC), Baltimore, Md., received a degree in clinical psychology from the University of Louisville and accepted a postdoctoral fellowship with the Division of Child and Adolescent Psychiatry at The Johns Hopkins University School of Medicine.

Derek A. Davis (MKTG), Yorktown, Va., is a son, 12/21/13.

Megan O. Ott Garrison (MKTG), Aldie, Va., is a daughter, 2/25/14.

‘08 Justin R. Jordan (PSYC), SXN 57; and Laddie H. Harmon Jordan (BET 10, ICD 11), Christiansburg, Va., 2/24/13.

Andrew D. Taylor (ME) and Chetie W. Wood Taylor (MKTG), Ashburn, Va., 9/28/15.

Jonathan A. Clifton (COMM), Centreville, Va., is a son, 12/20/13.

‘09 David J. Jungbluth (ME, AE, MS), Captainsville, N.J., is employed at the Naval Air Warfare Center Weapon Division at China Lake in California.

Kate G. Griffin Pence (BIOI) and Jonathan S. Pierce (BIOI, ’10), Winston-Salem, N.C., 8/10/13.

Emily C. Martinson (ECAS), Farmingdale, N.Y., 9/17/14.

‘10 Pamela C. Smart-Smith (EDCC), Roanoke, Va., is assistant director foralachia@vt at the Virginia Tech Language and Culture Institute.

Joshua H. Beach (MKTG), Blacksburg, Va., 11/16/14.

Timothy R. Kzinowek (BCHM), Blacksburg, Va., 12/20/13.

Alyssa E. Bledsoe (SPAN, COMM), Greensboro, N.C., is the communications manager for RLF Communications.

Laina N. Schneider (CSOE), Blacksburg, Va., developed and implemented an indoor move for the Hokie Community Gardens.

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Commemorating the 70th Anniversary of D-Day

by ROBERT F. ALLNUTT ‘57
photo by MICHAEL KIERNAN

In June 2012, my wife, Jan, and I spent a couple of weeks in Paris and then rented a car and drove over to Normandy, where we had never been, for a few days.

We had hired a guide for our first full day there. Bertrand spoke good English and had a terrific command of facts and figures. He had arranged the day in perfect sequence—brief looks at American tanks and a Canadian cemetery, a walk through a German cemetery, and an hour or so in a town where American paratroopers had landed by mistake in the midst of German troops.

We visited the American beaches of Utah, Pointe du Hoc, and Omaha before seeing the huge and moving American cemetery, where he pointed out the graves of brothers Teddy Roosevelt Jr. and Quentin Roosevelt (a World War I casualty), and several others among the thousands of deceased.

During the day, Bertrand mentioned that three Americans who had received the Medal of Honor were buried in the cemetery. This reminded me of two men from my alma mater, Virginia Tech, who had been awarded the medal for action in Europe during World War II. Dorms built soon after the war were named for them. Fifty-five years ago, I lived in one—Femoyer Hall—but I could not remember the other dorm’s name or where either of these men had earned his medal. [Editor's note: A third residence hall, Thomas Hall, memorializes Medal of Honor recipient Herbert J. Thomas Jr., a 1941 alumnus who saw action against Japanese forces on the Solomon Islands.]

As we left the American cemetery rather exhausted at the end of a long day, Bertrand said, "We have a little more time. Would you like to see one more site?" Somewhat reluctantly, we each said yes.

He drove us to a high bluff at the east end of Omaha Beach, overlooking the entire beach. Here, the Germans had implanted bunkers and guns to rain down death on the "invaders." The Germans had been highly effective. (The view from one bunker is shown at upper right). As we walked up to the site, Bertrand said quietly, "This is where Montieth died."

Montieth. Of course. The dorm next to mine. First Lt. Jimmie Waters Montieth Jr. died on D-Day leading his 1st Division troops on that most fatal of all the landing beaches. His Medal of Honor citation, well worth reading, recites incredible, repeated acts of bravery on one short day, his last:

"For conspicuous gallantry and intrepidity above and beyond the call of duty on 6 June 1944, near Colleville-sur-Mer, France. 1st Lt. Montieth landed with the initial assault waves on the coast of France under heavy enemy fire.

Without regard to his own personal safety he continually moved up and down the beach reorganizing men for further assault. He then led the assault over a narrow protective ledge and across the flat, exposed terrain to the comparative safety of a cliff. Retracing his steps across the field to the beach, he moved over to where two tanks were buttoned up and blind under violent enemy artillery and machine gun fire. Completely exposed to the intense fire, 1st Lt. Montieth led the tanks on foot through a minefield and into firing positions. Under his direction several enemy positions were destroyed. He then rejoined his company and under his leadership his men captured an advantageous position on the hill. Superseding the defense of his tanks, the men again faced repeated vicious counterattacks. He continued to ignore his own personal safety, repeatedly crossing the 200 or 300 yards of open terrain under heavy fire to strengthen links in his defensive chain. When the enemy succeeded in completely surrounding 1st Lt. Montieth and his unit and while leading the fight out of the situation, 1st Lt. Montieth was killed by enemy fire. The courage, gallantry, and intrepid leadership displayed by 1st Lt. Montieth is worthy of emulation."

For me, crossing Montieth’s path was an exclamation point on a most memorable day. During his career, Robert F. Allnutt (industrial engineering ’57), a member of the College of Engineering’s Committee of 100, held leadership roles in NASA and the energy, pharmaceutical, and communications industries.

HONOR • LEADERSHIP • SERVICE • UT PROSIM • BROTHERHOOD • SACRIFICE • DUTY • LOYALTY

Without regard to his own personal safety he continually moved up and down the beach reorganizing men for further assault. He then led the assault over a narrow protective ledge and across the flat, exposed terrain to the comparative safety of a cliff. Retracing his steps across the field to the beach, he moved over to where two tanks were buttoned up and blind under violent enemy artillery and machine gun fire. Completely exposed to the intense fire, 1st Lt. Montieth led the tanks on foot through a minefield and into firing positions. Under his direction several enemy positions were destroyed. He then rejoined his company and under his leadership his men captured an advantageous position on the hill. Superseding the defense of his tanks, the men again faced repeated vicious counterattacks. He continued to ignore his own personal safety, repeatedly crossing the 200 or 300 yards of open terrain under heavy fire to strengthen links in his defensive chain. When the enemy succeeded in completely surrounding 1st Lt. Montieth and his unit and while leading the fight out of the situation, 1st Lt. Montieth was killed by enemy fire. The courage, gallantry, and intrepid leadership displayed by 1st Lt. Montieth is worthy of emulation."

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HONOR • LEADERSHIP • SERVICE • UT PROSIM • BROTHERHOOD • SACRIFICE • DUTY • LOYALTY
Travis Whaley is the first Virginia Tech student ever accepted to compete in the International Johann Sebastian Bach Competition, which, in July, brings some of the world’s top young musicians to Leipzig, Germany. He is also one of only 45 pianists chosen for the prestigious event, which was established in 1950.

After his very first visit to campus, Travis knew he wanted to be a Hokie. But choosing Virginia Tech over several renowned music conservatories was made even easier for him thanks to scholarships offered by University Honors and the music program. That assistance, made possible by donations, allows Travis to focus on his education and take advantage of opportunities to travel and compete.

To learn more about how philanthropy helps extraordinary students like Travis, or to make your own gift to Virginia Tech, please visit www.givingto.vt.edu.

At the farewell reception for outgoing President Charles W. Steger in May, University Distinguished Professor Nikki Giovanni paid tribute with a poem:

It takes courage
For a son of the old south
To helm his beloved university.

There is a Future Shore to reach
It must have been the courage learned
By calling again and again
On a certain young lady
Who finally moved
Much much closer
Then closer still
And now after jobs/mortgages/children/and stuff
As close as a good partner is

That courage to let
Others partner
As they see fit
Without renouncement

It’s that courage to say
We have to expand
To make this good university
A great institution

The courage to say
We must diversify:
The past is good
But not good enough.

There can’t always be
A Clarion call
A rousing phrase
A push back on horror
Sometimes it’s just that first smile

Suggesting “Can this…poetry thing live”
And the Answer is “Yes”

Understanding Poetry is what
We all do no matter what
We call it

Didn’t Miles Davis remind John Coltrane:
Always Play the Blues?

We Love You
Bannered our April 16th spirits around your office
Allowing you to listen
To your heart and stay
Strong for all of us

It is we who cannot issue a clarion call
Today but rather simply sound
The trumpet to declare:
It Was A Great Ride
This Virginia Tech of Steger
A Great Ride

—Nikki Giovanni is a University Distinguished Professor.
At Virginia Tech, collaboration is at our core. Leveraging 13 consecutive years of research growth and 866 collaborative sponsored research awards last year alone, we cooperate with business and industry partners in order to accelerate entrepreneurialism and impact economies.

Invent cancer treatments. Build resilient communities. Lead the world in cybersecurity, advance the science of sustainability, and create technology.

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